

SHA MOHAMAD YEAHIA IDRIS

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PROFESSIONAL SUMMARY

Motivated and detail-oriented final-year Computer Science & Engineering student with a solid foundation in software development, databases (Oracle, MySQL, SQL Server), and software testing. Experienced in academic projects using C#, Python, Java, and SQL, gaining hands-on skills in application development, QA documentation, and database design. Also explored machine learning, UI design, and quality assurance practices. Seeking to apply skills and grow professionally in software engineering, QA, or AI/ML roles.

SKILLS & ABILITIES

- **Programming Languages:** C#, Python, Java, C++, JavaScript, PHP, SQL/PL-SQL
- **Databases:** Oracle, MySQL, SQL Server, SQLite
- **Tools/Frameworks:** ADO.NET, Git, Visual Studio, Android Studio, Figma
- **Web Technologies:** HTML, CSS, JavaScript
- **Soft Skills:** Teamwork, Problem-Solving, Critical Thinking

PROJECTS

TripMaker : Travel Agency Management System

[\[GitHub Repository\]](#)

July 2025 | Tech Stack: C#, Oracle 10g, Windows Forms, ADO.NET

- Developed a multi-module booking platform for hotels, flights, buses, and activities, reducing manual booking time by 80%.
- Designed a normalized Oracle 10g database with ADO.NET integration, ensuring secure, reliable, and error-free transactions.

TripMaker Travel Agency System – QA & Project Documentation

[\[Documentation Link\]](#)

June 2025 | Tech Stack: Figma, MS Word, Google Sheets, Selenium (planned), Postman (planned)

- Created a full software test plan (IEEE 829 standard), including requirement traceability, risk analysis, and automation strategy.
- Crafted interactive UI mockups and Gantt-based project timelines, improving sprint planning and reducing rework.

Word Ladder Game

[\[GitHub Repository\]](#)

April 2025 | Tech Stack: Python, Tkinter, NLTK

- Built an interactive word puzzle game with a GUI that challenges users to transform words through valid transitions.
- Integrated NLTK's WordNet API for NLP-based word validation, ensuring 100% dictionary-based accuracy in gameplay logic.

Library Management System

[\[GitHub Repository\]](#)

September 2024 | Tech Stack: HTML, CSS, PHP, MySQL, XAMPP

- Engineered a web-based system to manage book lending, returns, and availability using PHP and MySQL.
- Automated overdue tracking and return scheduling, reducing manual processes and improving system reliability.

Diagnostic Service Provider System

[\[GitHub Repository\]](#)

December 2023 | Tech Stack: C#, SQL Server, Windows Forms

- Built a healthcare appointment system allowing patient registration, diagnostic center search, and secure admin functionality.
- Designed a SQL schema to manage 50+ diagnostic test types, enabling flexible service selection and accurate patient data handling.

Road Master Car Racing

[\[GitHub Repository\]](#)

May 2024 | Tech Stack: C++, OpenGL, GLUT, Code::Blocks

- Programmed a 2D racing game with obstacle detection, track switching, and time-based scoring logic.
- Implemented real-time collision detection and frame rendering at 60 FPS for smooth gameplay.

Food Court Management System

[\[GitHub Repository\]](#)

July 2024 | Tech Stack: Java, Java Swing, AWT

- Built a desktop system for handling food orders, item management, and daily sales tracking through a graphical interface.
- Automated inventory monitoring and real-time order updates to reduce transaction errors and improve admin oversight.

EDUCATION

BSc. in Computer Science & Engineering

Major in Software Engineering

American International University-Bangladesh, Dhaka

Year of Completion: 2025 (Expected)

CGPA: 3.57/4.00

Higher Secondary Certificate (HSC)

Barisal Mohanagar College, Barishal

Year of Completion: 2020

GPA: 4.17/5.00

Secondary School Certificate (SSC)

Naygaon Secondary School, Barishal

Year of Completion: 2018

GPA: 4.22/5.00

CERTIFICATIONS /TRAINING /MEMBERSHIPS

- **Workshop:** SQA workshop for absolute beginners, UI/UX design fundamentals, Python workshop for absolute beginners.
- **Certificate:** IT Essentials – Cisco Networking Academy [\[Link\]](#)
- Digital Skills: User Experience – Accenture [\[Link\]](#)
- Member, ESAB AIUB Unit Face.
- Member, AIUB Community of Engineering Students – ACES.